

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066143.D
 Acq On : 5 Mar 2021 18:50
 Operator : JC/MD
 Sample : M1563-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAR)

Quant Time: Mar 06 02:43:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 06 02:33:59 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

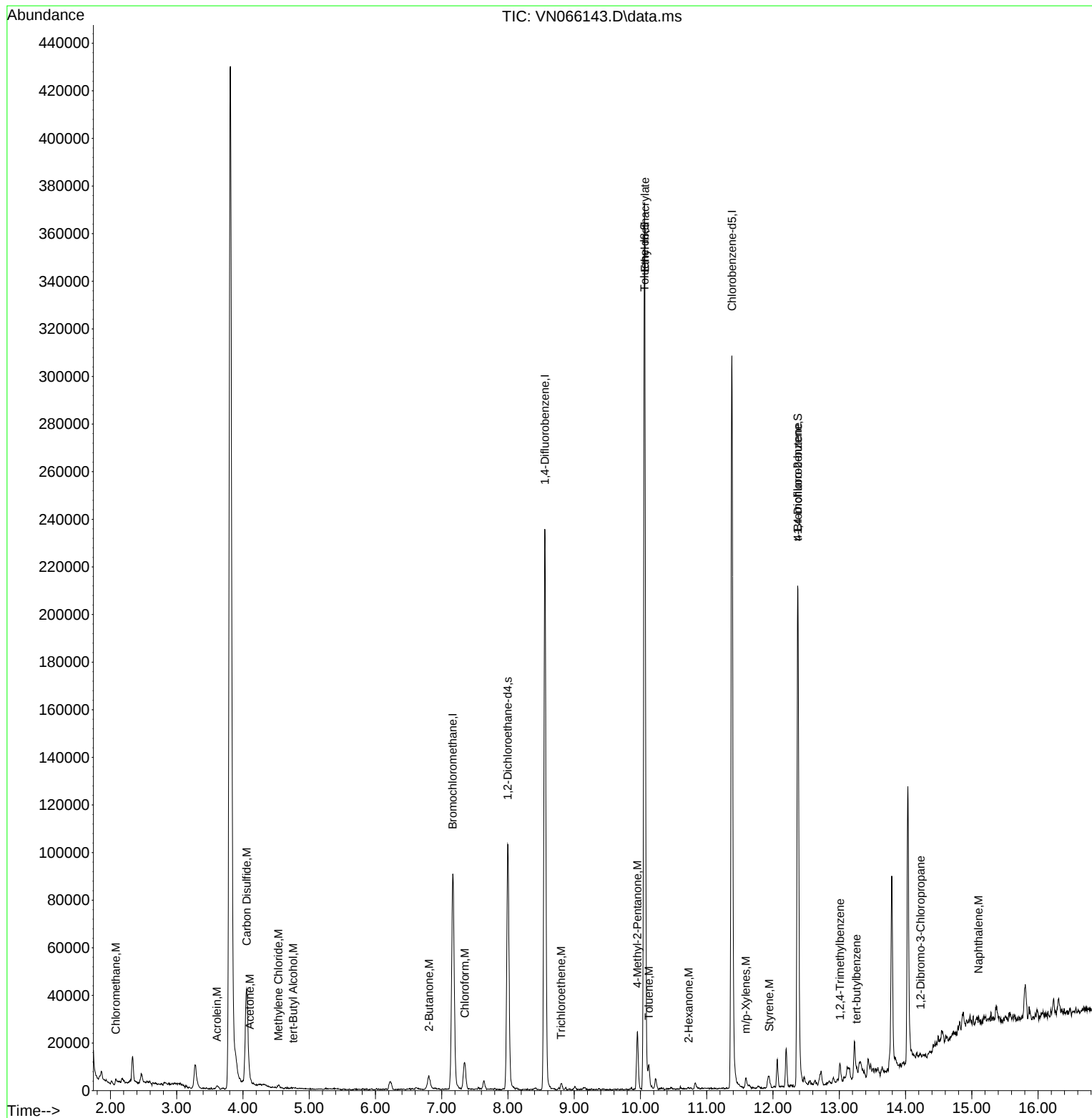
Internal Standards						
1) Bromochloromethane	7.167	128	38477	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.556	114	213835	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	192212	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.997	65	99063	29.65	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.83%		
60) 4-Bromofluorobenzene	12.373	95	89537	26.90	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	89.67%		
63) Toluene-d8	10.061	98	269942	31.16	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.87%		
Target Compounds					Qvalue	
3) Chloromethane	2.081	50	1391	0.55	ug/l	100
13) Acrolein	3.608	56	1868	5.21	ug/l #	65
15) Acetone	4.103	58	118	0.40	ug/l	100
16) Carbon Disulfide	4.058	76	5164	0.92	ug/l #	91
18) Methylene Chloride	4.537	84	571	0.24	ug/l #	30
23) tert-Butyl Alcohol	4.759	59	319	0.72	ug/l #	100
25) Chloroform	7.347	83	12952	2.84	ug/l	100
30) 2-Butanone	6.807	43	9255	7.25	ug/l #	82
37) Trichloroethene	8.804	130	723	0.28	ug/l	98
51) Ethyl methacrylate	10.068	69	920	0.26	ug/l	76
58) 4-Methyl-2-Pentanone	9.952	43	16729	6.57	ug/l	99
59) 2-Hexanone	10.727	43	471	0.27	ug/l #	32
62) Toluene	10.125	91	6346	0.64	ug/l	89
67) m/p-Xylenes	11.592	106	1480	0.34	ug/l	91
69) Styrene	11.942	104	3098	0.44	ug/l	97
77) t-1,4-Dichloro-2-butene	12.373	75	45851	42.08	ug/l #	14
79) tert-butylbenzene	13.260	119	2977	0.35	ug/l	95
80) 1,2,4-Trimethylbenzene	13.013	105	3192	0.32	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.228	75	270	0.37	ug/l #	1
91) Naphthalene	15.100	128	2252	0.31	ug/l #	77

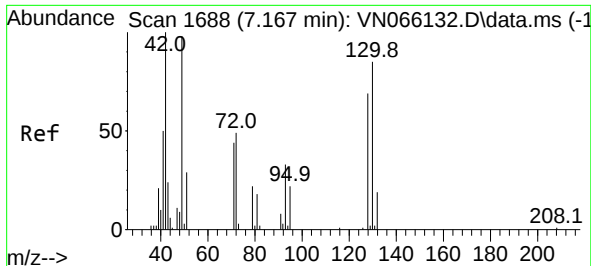
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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001-WILLETS-PT-BLVD(MAR)

Quant Time: Mar 06 02:43:33 2021
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Mar 06 02:33:59 2021
Response via : Initial Calibration

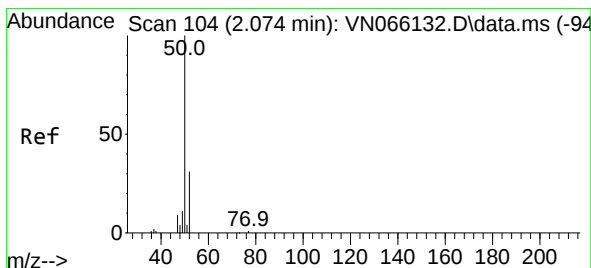
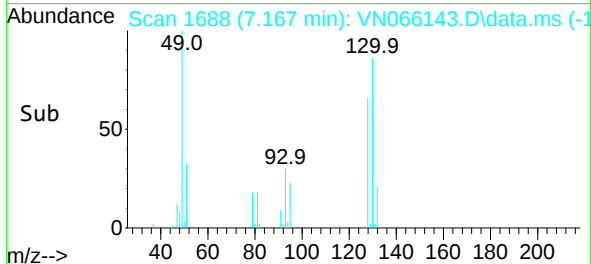
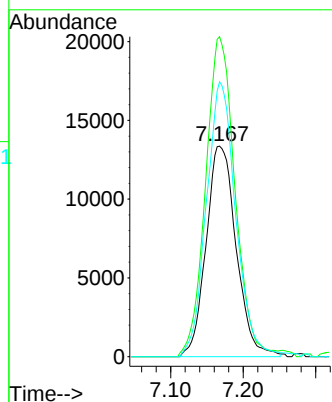
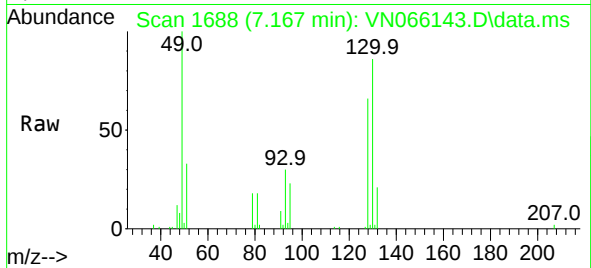




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.167 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

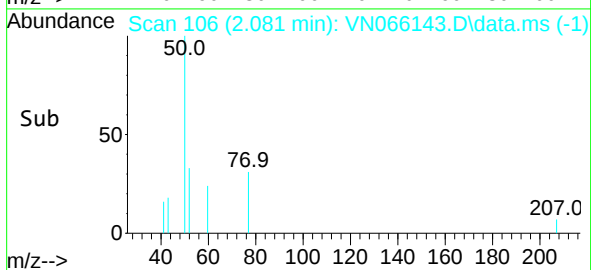
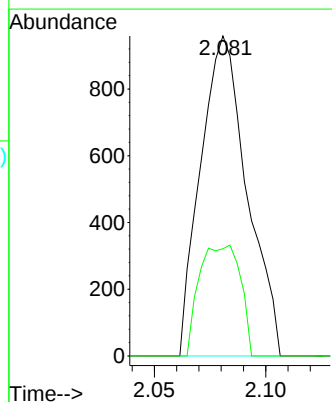
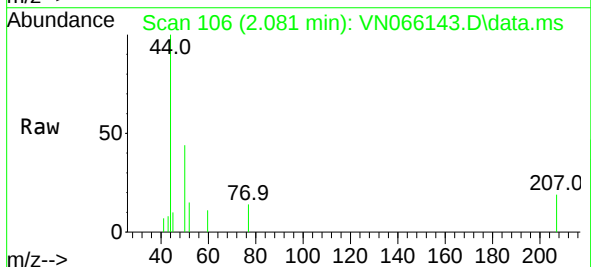
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

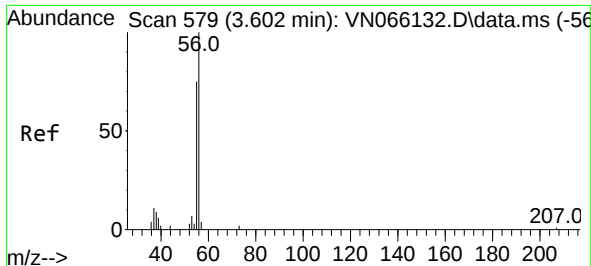
Tgt Ion:128 Resp: 38477
Ion Ratio Lower Upper
128 100
49 148.0 0.0 355.0
130 128.0 0.0 325.5



#3
Chloromethane
Concen: 0.55 ug/l
RT: 2.081 min Scan# 106
Delta R.T. 0.006 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Tgt Ion: 50 Resp: 1391
Ion Ratio Lower Upper
50 100
52 33.5 26.8 40.2

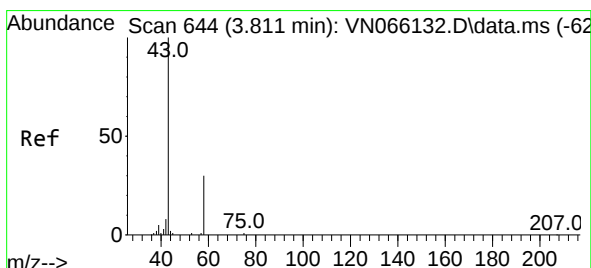
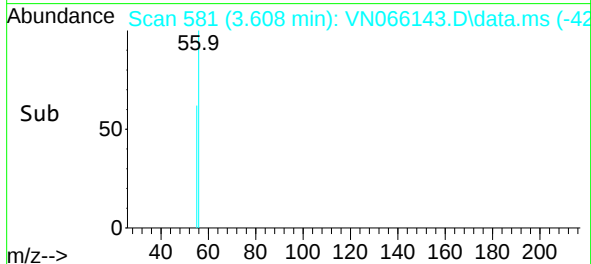
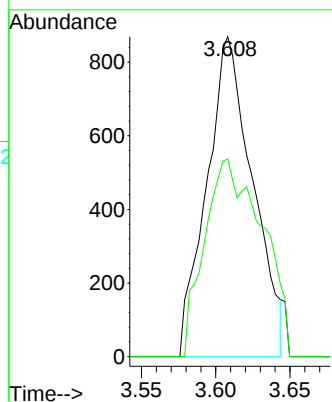
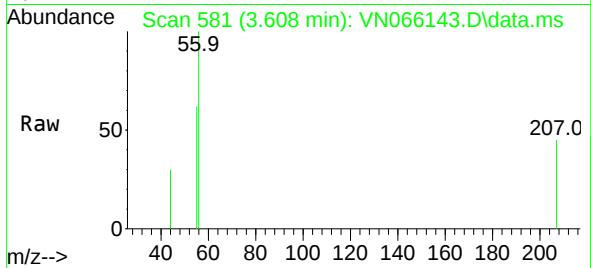




#13
Acrolein
Concen: 5.21 ug/l
RT: 3.608 min Scan# 581
Delta R.T. 0.006 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

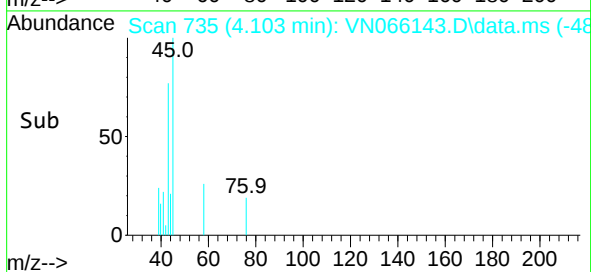
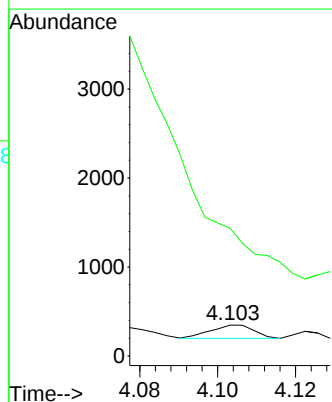
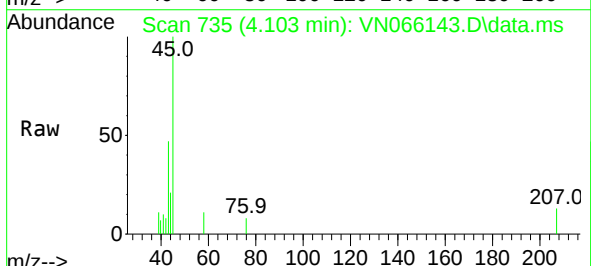
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

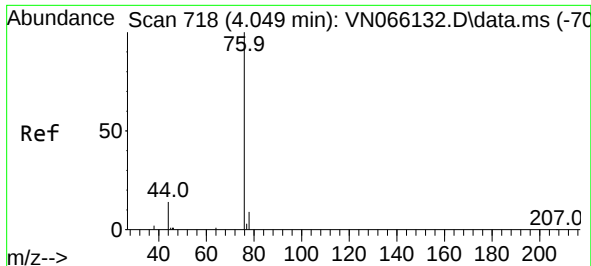
Tgt Ion: 56 Resp: 1868
Ion Ratio Lower Upper
56 100
55 43.2 57.7 86.5#



#15
Acetone
Concen: 0.40 ug/l
RT: 4.103 min Scan# 735
Delta R.T. 0.293 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

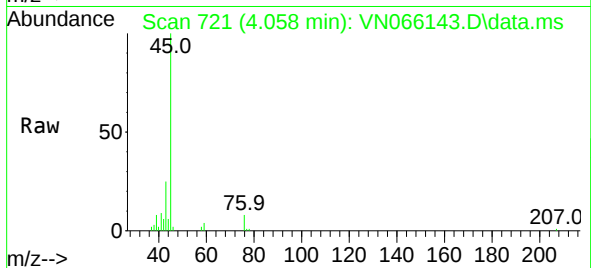
Tgt Ion: 58 Resp: 118
Ion Ratio Lower Upper
58 100
43 253.3 203.4 305.0



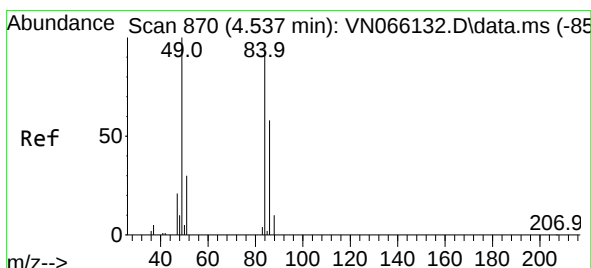
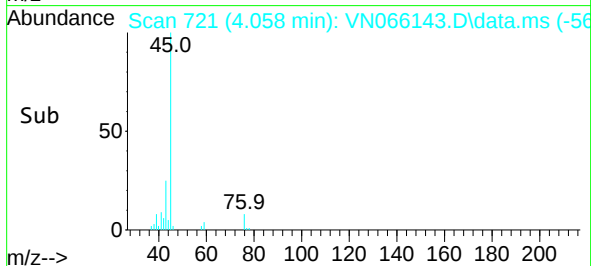
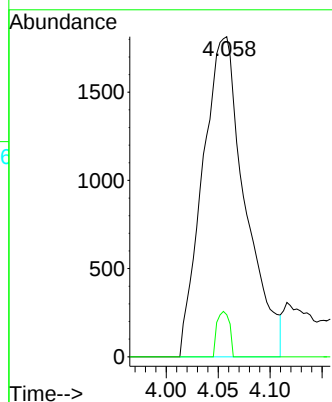


#16
Carbon Disulfide
Concen: 0.92 ug/l
RT: 4.058 min Scan# 721
Delta R.T. 0.010 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

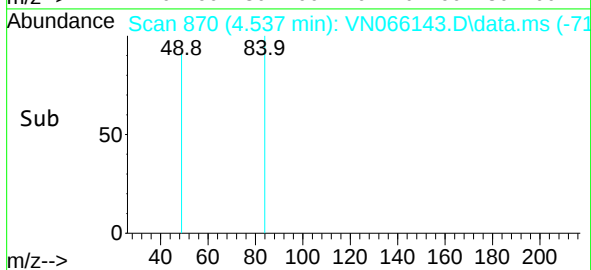
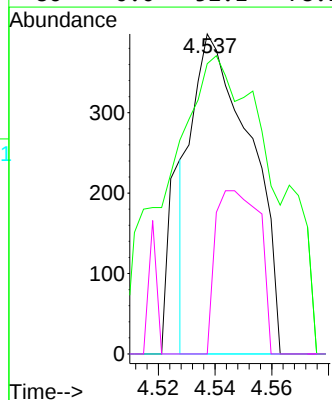
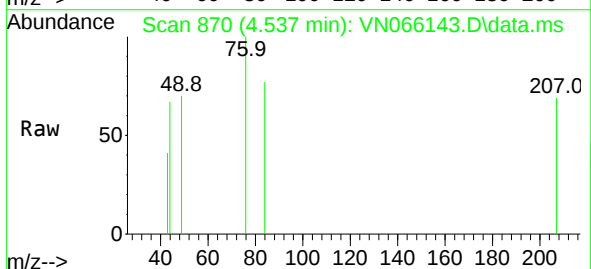


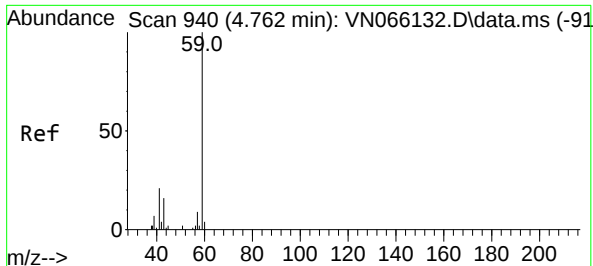
Tgt Ion: 76 Resp: 5164
Ion Ratio Lower Upper
76 100
78 13.1 7.8 11.8#



#18
Methylene Chloride
Concen: 0.24 ug/l
RT: 4.537 min Scan# 870
Delta R.T. -0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

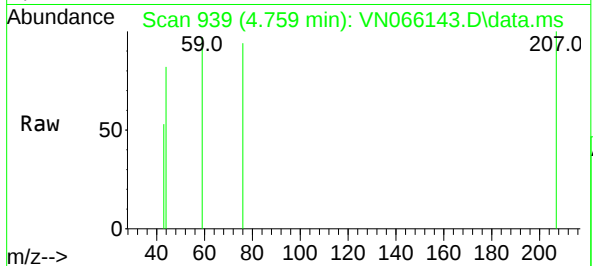
Tgt Ion: 84 Resp: 571
Ion Ratio Lower Upper
84 100
49 44.2 91.3 136.9#
51 0.0 28.8 43.2#
86 0.0 52.1 78.1#



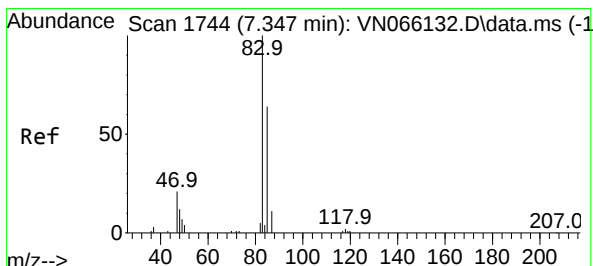
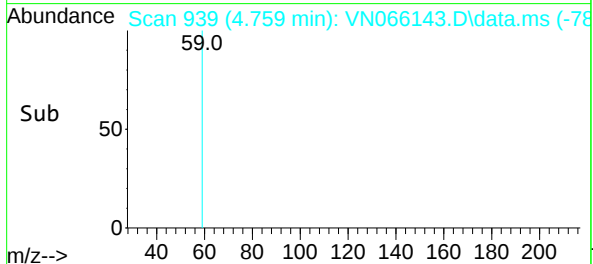
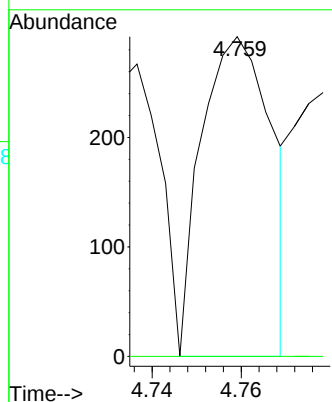


#23
tert-Butyl Alcohol
Concen: 0.72 ug/l
RT: 4.759 min Scan# 939
Delta R.T. -0.003 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

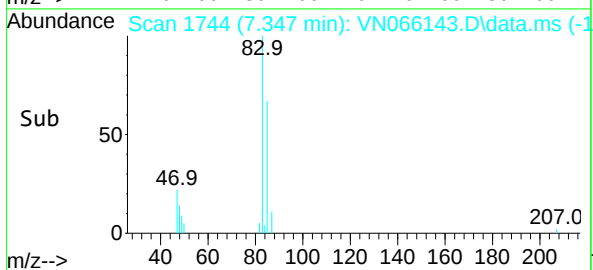
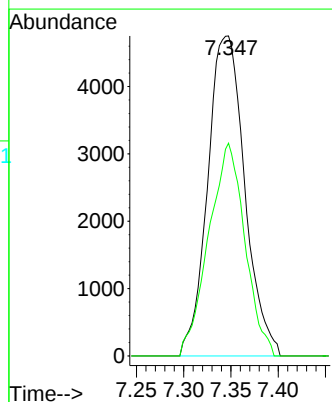
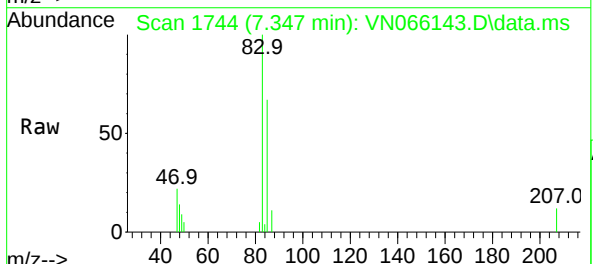


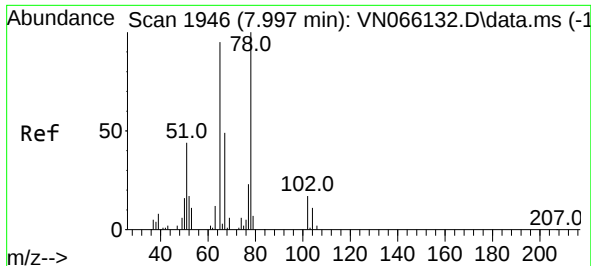
Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 2.84 ug/l
RT: 7.347 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Tgt Ion: 83 Resp: 12952
Ion Ratio Lower Upper
83 100
85 66.5 53.0 79.4



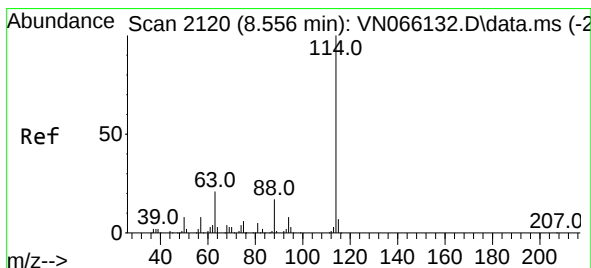
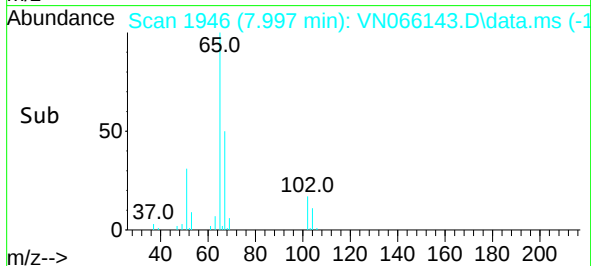
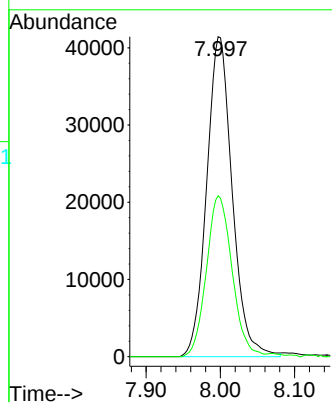
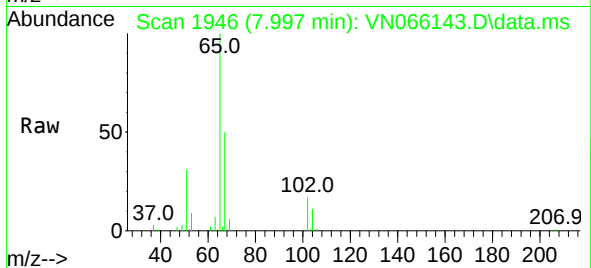


#27

1,2-Dichloroethane-d4
Concen: 29.65 ug/l
RT: 7.997 min Scan# 1946
Delta R.T. -0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Instrument :
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ClientSampleId :
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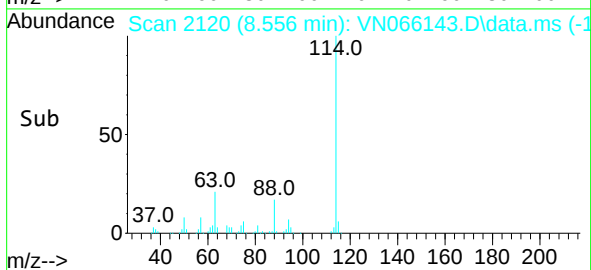
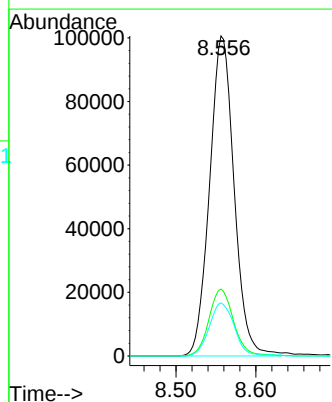
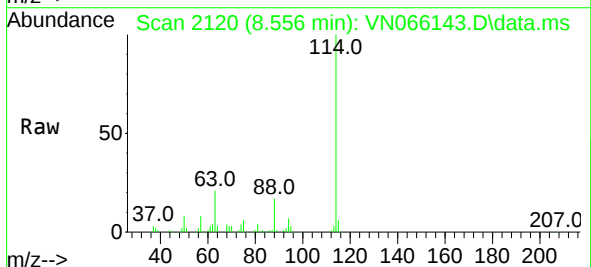
Tgt Ion: 65 Resp: 99063
Ion Ratio Lower Upper
65 100
67 50.5 42.8 64.2

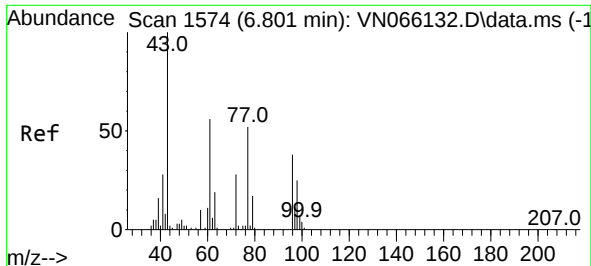


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.556 min Scan# 2120
Delta R.T. -0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

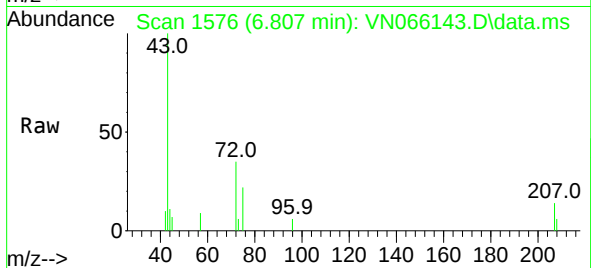
Tgt Ion: 114 Resp: 213835
Ion Ratio Lower Upper
114 100
63 21.0 14.7 22.1
88 16.7 11.7 17.5



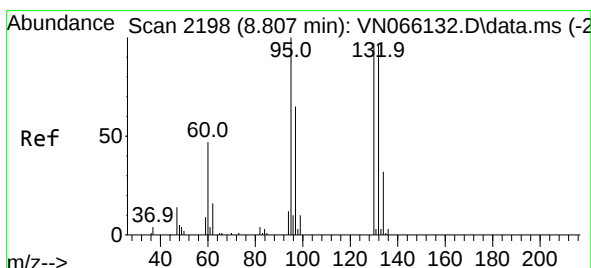
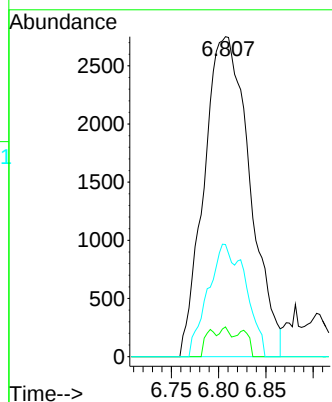
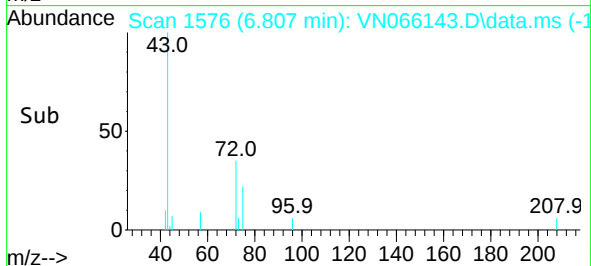


#30
2-Butanone
Concen: 7.25 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.006 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

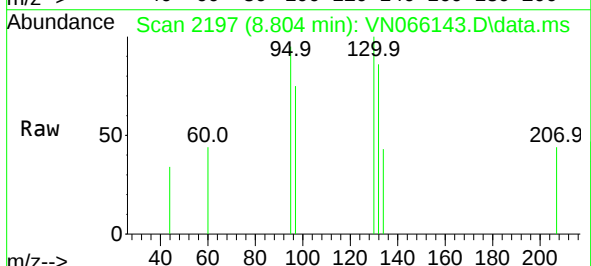
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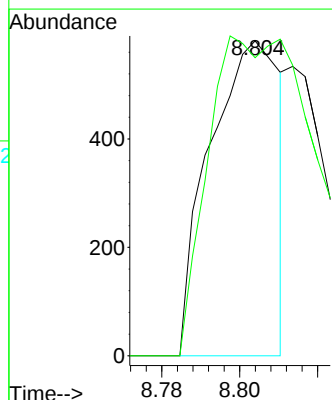
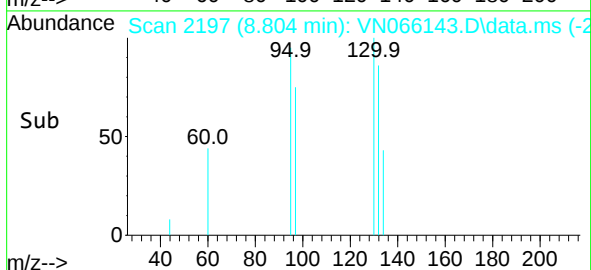
Tgt Ion: 43 Resp: 9255
Ion Ratio Lower Upper
43 100
57 2.2 7.0 10.4#
72 19.5 23.6 35.4#

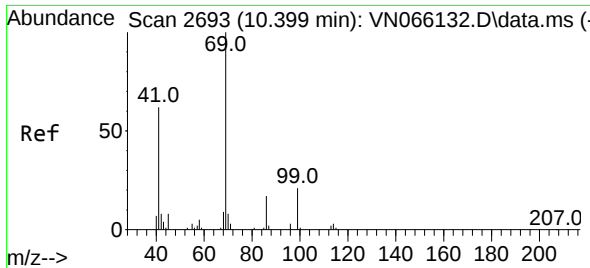


#37
Trichloroethene
Concen: 0.28 ug/l
RT: 8.804 min Scan# 2197
Delta R.T. -0.003 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50



Tgt Ion: 130 Resp: 723
Ion Ratio Lower Upper
130 100
95 94.7 74.0 111.0

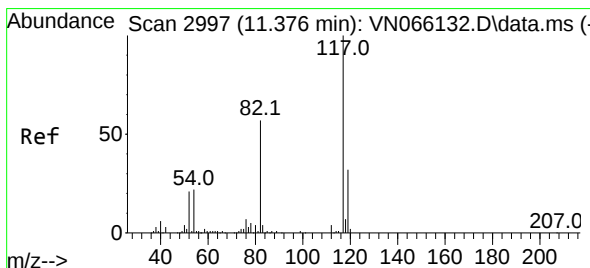
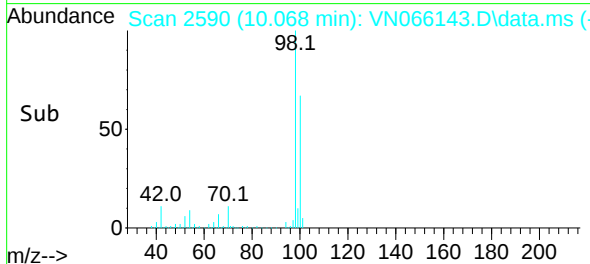
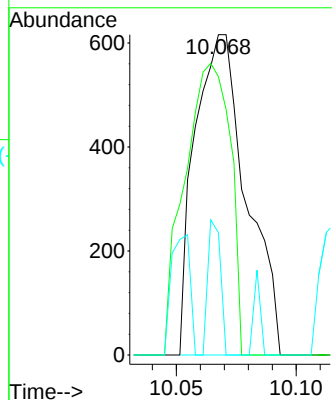
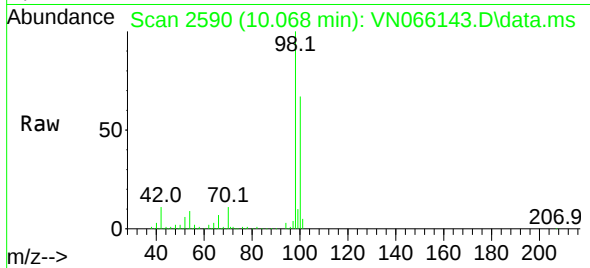




#51
Ethyl methacrylate
Concen: 0.26 ug/l
RT: 10.068 min Scan# 2590
Delta R.T. -0.331 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

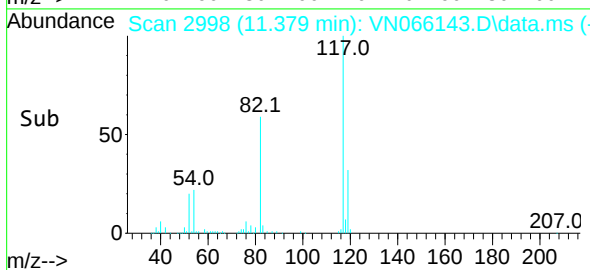
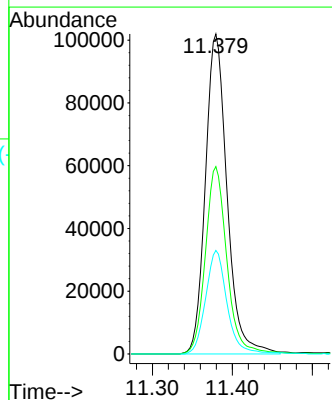
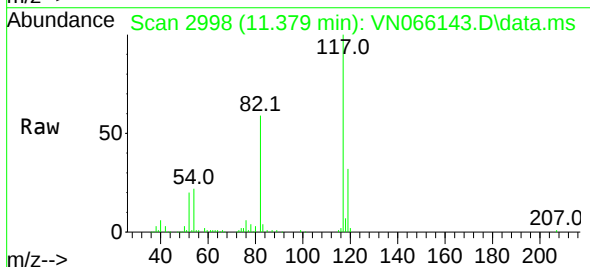
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

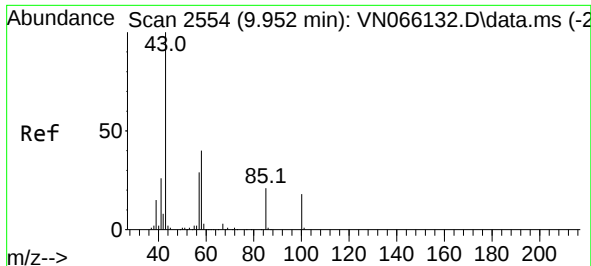
Tgt Ion: 69 Resp: 920
Ion Ratio Lower Upper
69 100
41 86.9 31.9 95.7
39 38.1 15.6 46.7



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Tgt Ion: 117 Resp: 192212
Ion Ratio Lower Upper
117 100
82 58.2 41.3 61.9
119 32.0 25.7 38.5

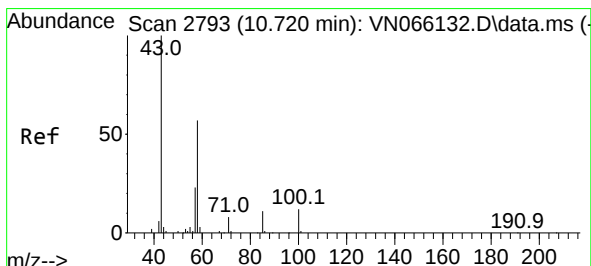
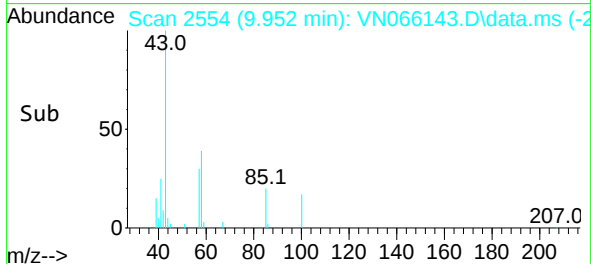
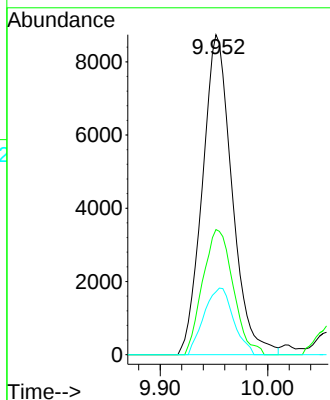
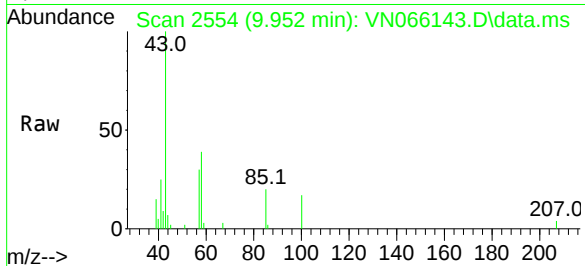




#58
4-Methyl-2-Pentanone
Concen: 6.57 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

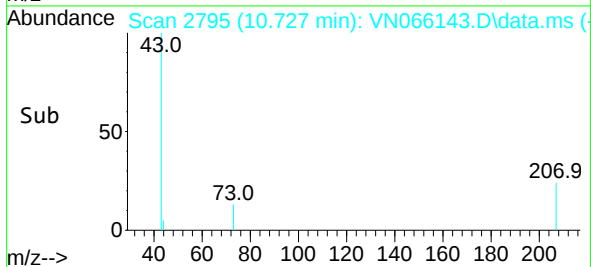
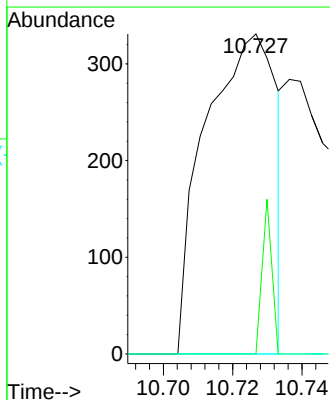
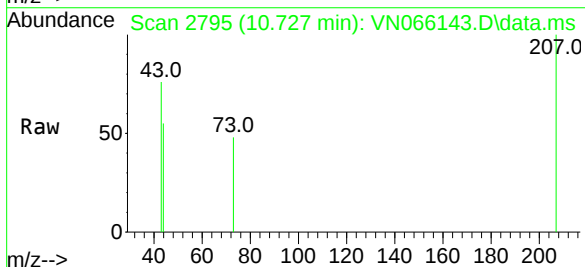
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

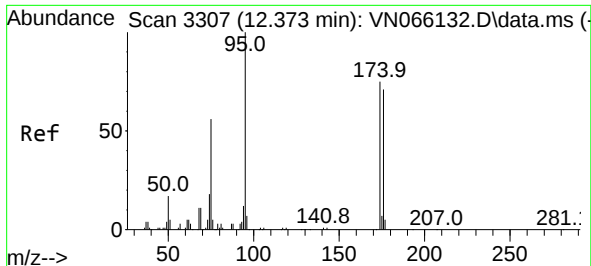
Tgt Ion:	43	Resp:	16729
Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.7	49.1
85	20.7	16.0	24.0



#59
2-Hexanone
Concen: 0.27 ug/l
RT: 10.727 min Scan# 2795
Delta R.T. 0.006 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Tgt Ion:	43	Resp:	471
Ion	Ratio	Lower	Upper
43	100		
58	0.0	45.4	68.0#
57	0.0	15.8	23.8#

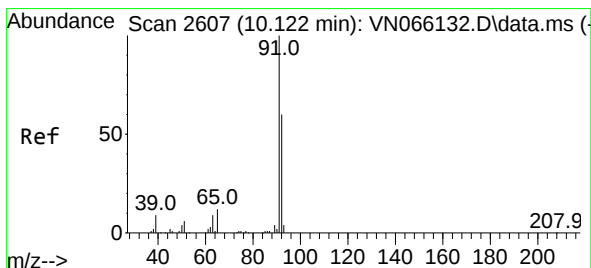
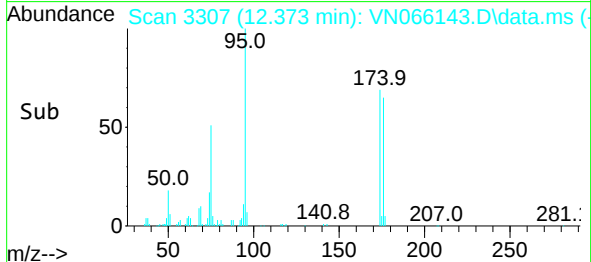
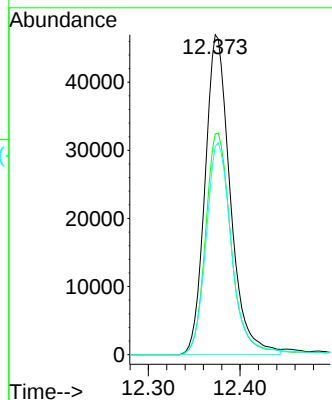
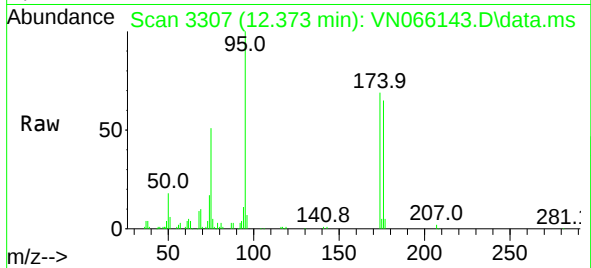




#60
4-Bromofluorobenzene
Concen: 26.90 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

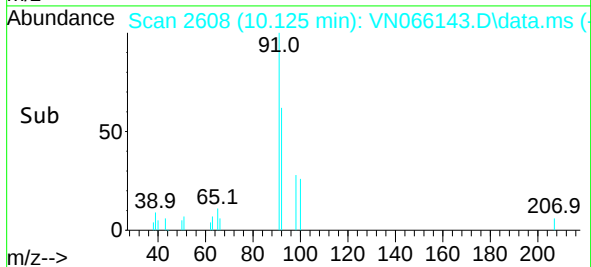
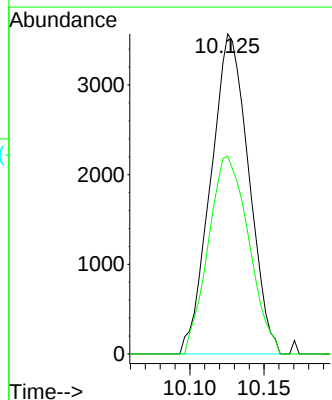
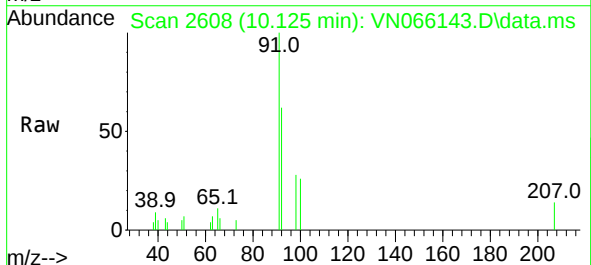
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

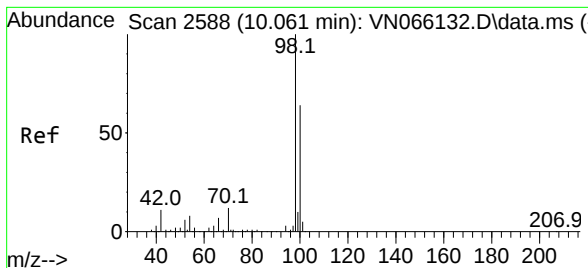
Tgt Ion: 95 Resp: 89537
Ion Ratio Lower Upper
95 100
174 69.3 77.0 115.6#
176 67.2 75.8 113.6#



#62
Toluene
Concen: 0.64 ug/l
RT: 10.125 min Scan# 2608
Delta R.T. 0.003 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Tgt Ion: 91 Resp: 6346
Ion Ratio Lower Upper
91 100
92 65.7 46.2 69.4

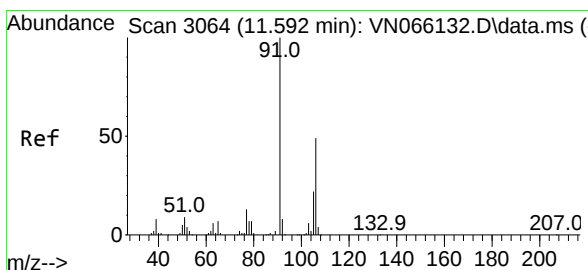
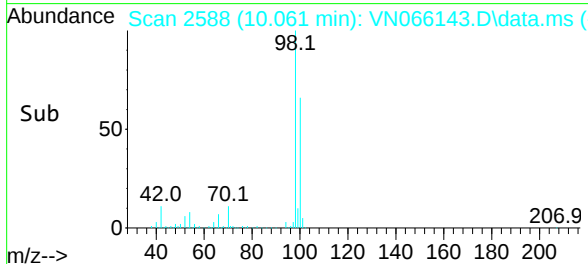
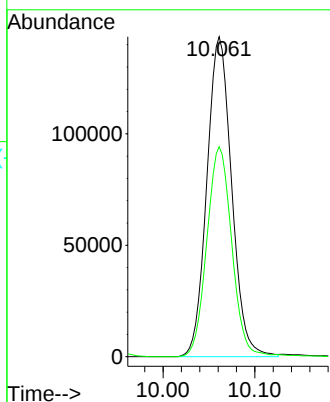
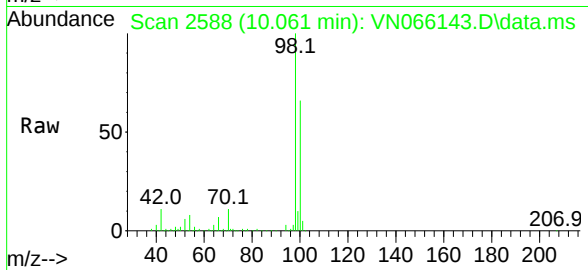




#63
Toluene-d8
Concen: 31.16 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. -0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

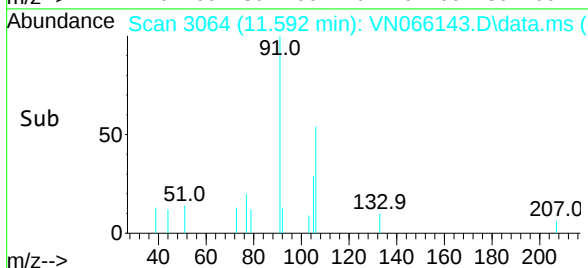
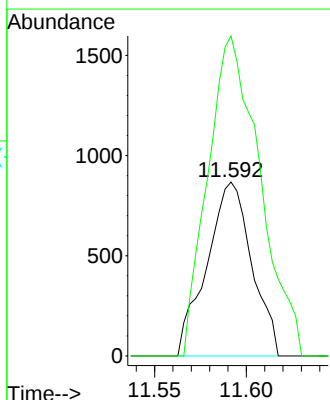
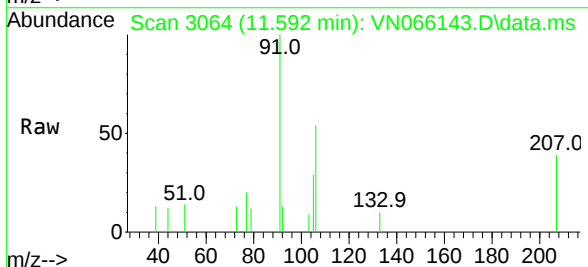
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

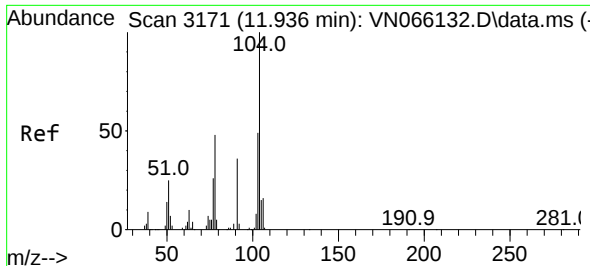
Tgt Ion: 98 Resp: 269942
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#67
m/p-Xylenes
Concen: 0.34 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Tgt Ion:106 Resp: 1480
Ion Ratio Lower Upper
106 100
91 212.8 159.0 238.6

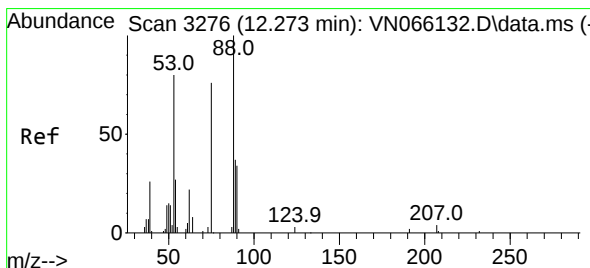
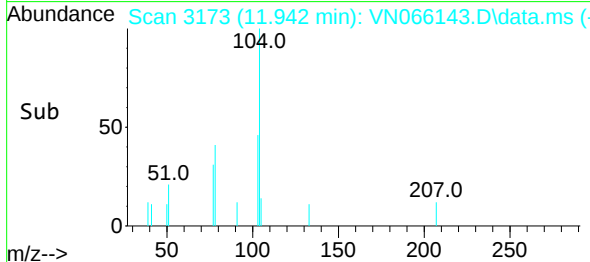
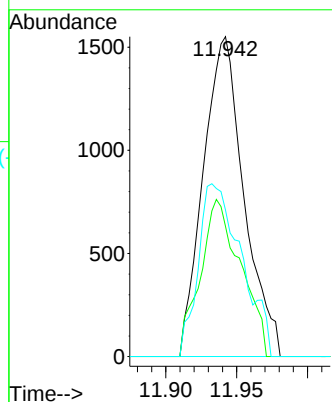
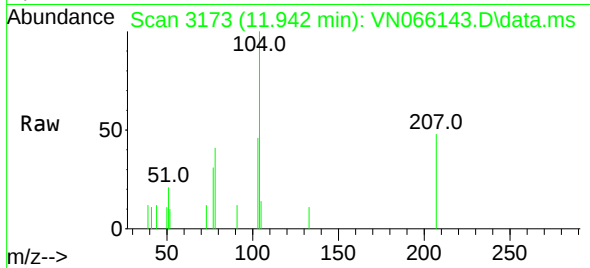




#69
Styrene
Concen: 0.44 ug/l
RT: 11.942 min Scan# 3173
Delta R.T. 0.006 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

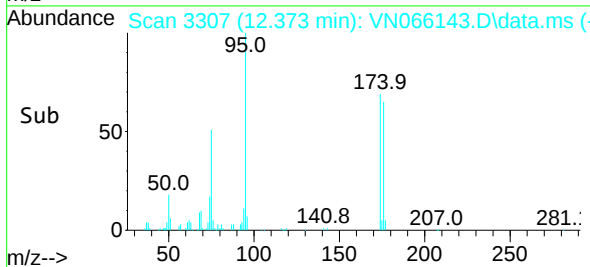
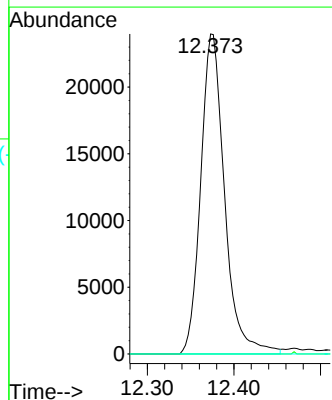
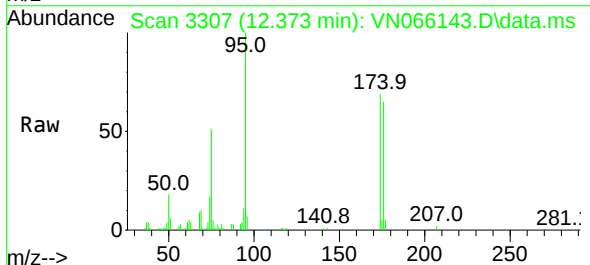
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

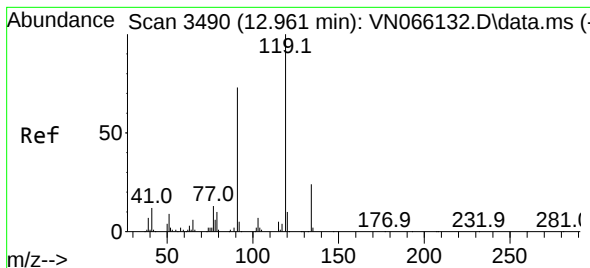
Tgt Ion:104 Resp: 3098
Ion Ratio Lower Upper
104 100
78 48.8 38.0 57.0
103 52.6 44.3 66.5



#77
t-1,4-Dichloro-2-butene
Concen: 42.08 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.100 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Tgt Ion: 75 Resp: 45851
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#

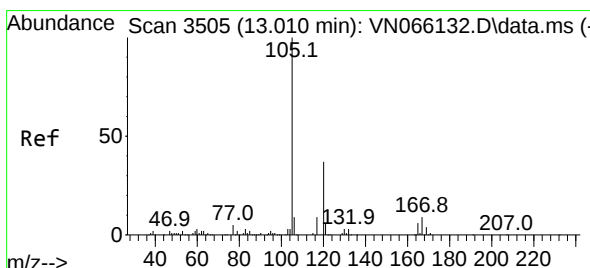
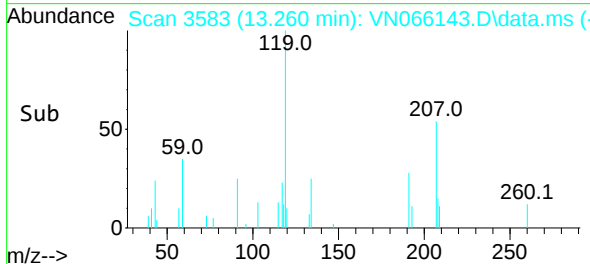
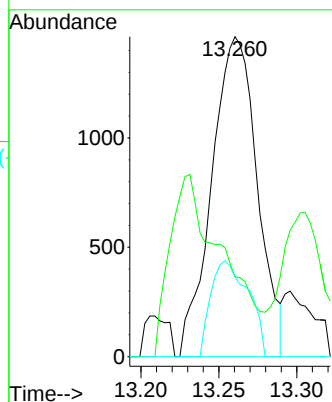
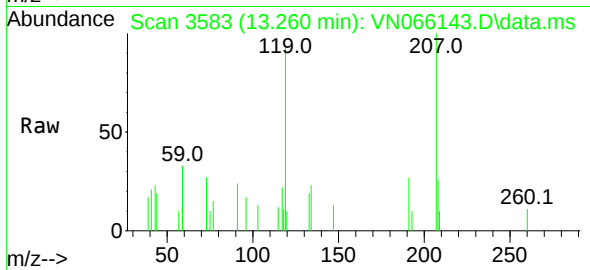




#79
tert-butylbenzene
Concen: 0.35 ug/l
RT: 13.260 min Scan# 3583
Delta R.T. 0.299 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

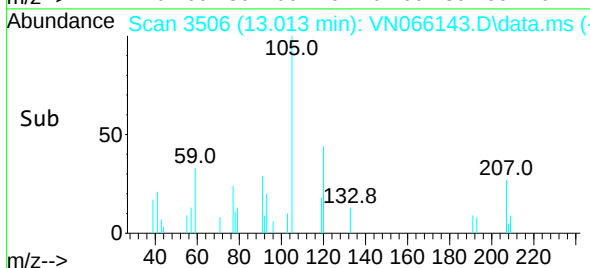
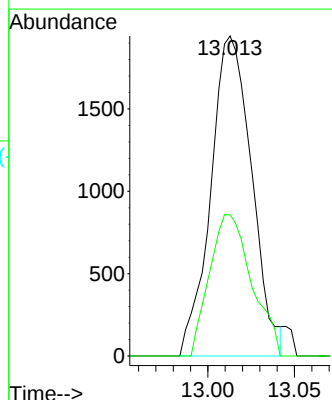
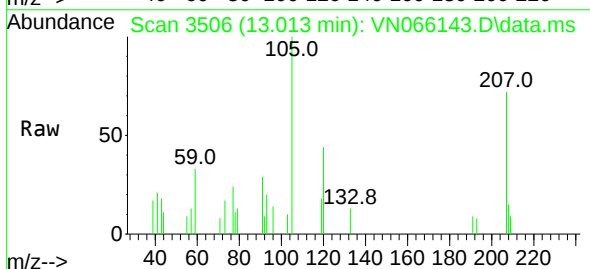
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

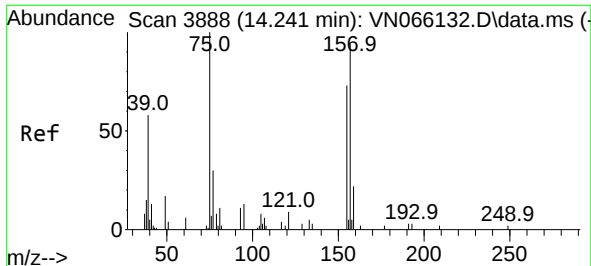
Tgt Ion:119 Resp: 2977
Ion Ratio Lower Upper
119 100
91 67.6 0.0 126.0
134 24.6 0.0 51.2



#80
1,2,4-Trimethylbenzene
Concen: 0.32 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.003 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Tgt Ion:105 Resp: 3192
Ion Ratio Lower Upper
105 100
120 45.6 0.0 93.6

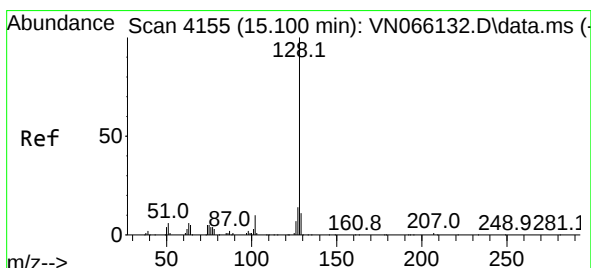
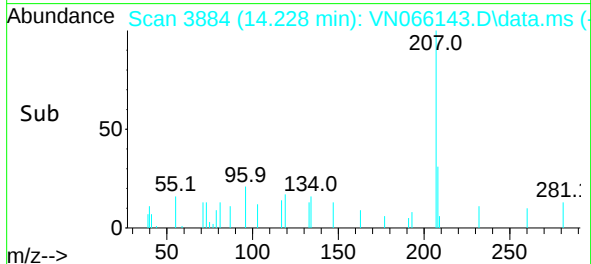
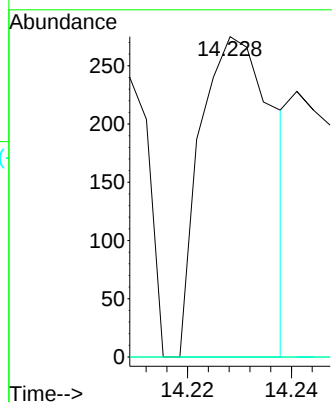
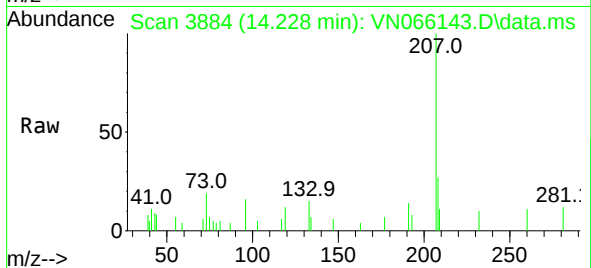




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.37 ug/l
RT: 14.228 min Scan# 3884
Delta R.T. -0.013 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAR)

Tgt Ion: 75 Resp: 270
Ion Ratio Lower Upper
75 100
155 0.0 76.9 115.3#
157 0.0 105.8 158.8#



#91
Naphthalene
Concen: 0.31 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.000 min
Lab File: VN066143.D
Acq: 5 Mar 2021 18:50

Tgt Ion: 128 Resp: 2252
Ion Ratio Lower Upper
128 100
127 3.0 10.1 15.1#
129 2.8 8.6 12.8#

